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**From:** Chen, Xi [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CB29E8E6F2064817A3A722F52E000F2B-CHEN, XI]  
**Sent:** 3/29/2019 2:53:58 PM  
**To:** Julie Swift [Julie.Swift@erg.com]; Laura Van Enwyck [laura.vanenwyck@erg.com]  
**CC:** Noah, Greg [Noah.Greg@epa.gov]; Weinstock, Lewis [Weinstock.Lewis@epa.gov]; Donna Tedder [donna.tedder@erg.com]; Jennifer.Nash@erg.com; McBrian, Jenia [McBrian.Jenia@epa.gov]  
**Subject:** RE: EtO data results for March 2\_5

Yes, if not too much trouble pulling for both. Thanks!

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**From:** Julie Swift <Julie.Swift@erg.com>  
**Sent:** Friday, March 29, 2019 10:26 AM  
**To:** Chen, Xi <Chen.Xi@epa.gov>; Laura Van Enwyck <laura.vanenwyck@erg.com>  
**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Donna Tedder <donna.tedder@erg.com>; Jennifer.Nash@erg.com; McBrian, Jenia <McBrian.Jenia@epa.gov>  
**Subject:** RE: EtO data results for March 2\_5

Doris – which system do you want? Both?

Julie L. Swift  
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**From:** Chen, Xi <Chen.Xi@epa.gov>  
**Sent:** Friday, March 29, 2019 9:31 AM  
**To:** Julie Swift <Julie.Swift@erg.com>; Laura VanEnwyck <Laura.VanEnwyck@erg.com>  
**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <weinstock.lewis@epa.gov>; Donna Tedder <Donna.Tedder@erg.com>; Jennifer Nash <Jennifer.Nash@erg.com>; McBrian, Jenia <McBrian.Jenia@epa.gov>  
**Subject:** RE: EtO data results for March 2\_5

Hi Julie,  
Sorry to bug you on this again. Can I request for one more file with the same format for an EtO standard of 0.25ppb?  
Just need to compare and confirm these samples to a standard.  
Thank you very much for the help!

Doris

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**From:** Julie Swift <Julie.Swift@erg.com>  
**Sent:** Thursday, March 28, 2019 4:22 PM  
**To:** Chen, Xi <Chen.Xi@epa.gov>; Laura Van Enwyck <laura.vanenwyck@erg.com>  
**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Donna Tedder <donna.tedder@erg.com>; Jennifer.Nash@erg.com; McBrian, Jenia <McBrian.Jenia@epa.gov>  
**Subject:** RE: EtO data results for March 2\_5

Doris – I have attached the requested files. Thank you! Julie

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**From:** Chen, Xi <[Chen.Xi@epa.gov](mailto:Chen.Xi@epa.gov)>  
**Sent:** Thursday, March 28, 2019 12:02 PM  
**To:** Julie Swift <[Julie.Swift@erg.com](mailto:Julie.Swift@erg.com)>; Laura VanEnwyck <[Laura.VanEnwyck@erg.com](mailto:Laura.VanEnwyck@erg.com)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[weinstock.lewis@epa.gov](mailto:weinstock.lewis@epa.gov)>; Donna Tedder <[Donna.Tedder@erg.com](mailto:Donna.Tedder@erg.com)>; Jennifer Nash <[Jennifer.Nash@erg.com](mailto:Jennifer.Nash@erg.com)>; McBrian, Jenia <[McBrian.Jenia@epa.gov](mailto:McBrian.Jenia@epa.gov)>  
**Subject:** RE: EtO data results for March 2\_5

Sorry Julie, an update to my previous request:  
Please pull three files(the same format you sent showing the 15, 29, 41 and 56 peaks) just to confirm the LK and CE flags.

TOOK, 11/22/18, sample ID 8112718-01  
NBIL, 10/25/18, sample ID 8103123-06  
ELNJ, 11/4/18, sample ID 8111424-01

Thank you!  
Doris

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**From:** Chen, Xi  
**Sent:** Thursday, March 28, 2019 11:41 AM  
**To:** 'Julie Swift' <[Julie.Swift@erg.com](mailto:Julie.Swift@erg.com)>; Laura Van Enwyck <[laura.vanenwyck@erg.com](mailto:laura.vanenwyck@erg.com)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[Weinstock.Lewis@epa.gov](mailto:Weinstock.Lewis@epa.gov)>; Donna Tedder <[donna.tedder@erg.com](mailto:donna.tedder@erg.com)>; Jennifer.Nash@erg.com; McBrian, Jenia <[McBrian.Jenia@epa.gov](mailto:McBrian.Jenia@epa.gov)>  
**Subject:** RE: EtO data results for March 2\_5

Thanks Julie, these are really helpful, thanks for pulling these together. Could you please pull two additional files(the same format you sent showing the 15, 29, 41 and 56 peaks) just to compare to when LK flags were confirmed?

TOOK, 11/22/18, sample ID 8112718-01  
NBIL, 10/25/18, sample ID 8103123-06

Thanks,  
Doris

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**From:** Julie Swift <[Julie.Swift@erg.com](mailto:Julie.Swift@erg.com)>  
**Sent:** Thursday, March 28, 2019 10:48 AM  
**To:** Chen, Xi <[Chen.Xi@epa.gov](mailto:Chen.Xi@epa.gov)>; Laura Van Enwyck <[laura.vanenwyck@erg.com](mailto:laura.vanenwyck@erg.com)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[Weinstock.Lewis@epa.gov](mailto:Weinstock.Lewis@epa.gov)>; Donna Tedder <[donna.tedder@erg.com](mailto:donna.tedder@erg.com)>; Jennifer.Nash@erg.com; McBrian, Jenia <[McBrian.Jenia@epa.gov](mailto:McBrian.Jenia@epa.gov)>  
**Subject:** RE: EtO data results for March 2\_5

Doris – I have attached two of the samples where we removed the LK flags. Please review and let me know if you have any comments. Julie

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**From:** Chen, Xi <[Chen.Xi@epa.gov](mailto:Chen.Xi@epa.gov)>  
**Sent:** Wednesday, March 27, 2019 2:40 PM  
**To:** Julie Swift <[Julie.Swift@erg.com](mailto:Julie.Swift@erg.com)>; Laura VanEnwyck <[Laura.VanEnwyck@erg.com](mailto:Laura.VanEnwyck@erg.com)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[weinstock.lewis@epa.gov](mailto:weinstock.lewis@epa.gov)>; Donna Tedder

<Donna.Tedder@erg.com>; Jennifer Nash <Jennifer.Nash@erg.com>; McBrian, Jenia <McBrian.Jenia@epa.gov>

**Subject:** RE: EtO data results for March 2\_5

Thanks Julie for the updated data package. There are still two samples I need you to take a look again:

1. BTUT 10/23/18, sample ID 8103028-01, the updated data package is still having the old concentration rather than the new concentration, please update files for this sample
2. MAOK 11/16/18, sample ID 8112717-01, the peak is still not properly integrated, the current integration included the little bump to the left of EtO; and also ions of 41 and 56 suggest the presence of trans-2-butene, please add LK flag when you confirm this

Let me know any questions, thanks!

Doris

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**From:** Julie Swift <Julie.Swift@erg.com>

**Sent:** Wednesday, March 27, 2019 1:31 PM

**To:** Chen, Xi <Chen.Xi@epa.gov>; Laura Van Enwyck <laura.vanenwyck@erg.com>

**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Donna Tedder <donna.tedder@erg.com>; Jennifer Nash <Jennifer.Nash@erg.com>; McBrian, Jenia <McBrian.Jenia@epa.gov>

**Subject:** RE: EtO data results for March 2\_5

Doris – I have attached the instrument data files for the samples that were revised after your assessments. I will also get some examples of the CE ions that had no overlap with the EtO spectra soon. Julie

Julie L. Swift

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**From:** Chen, Xi <Chen.Xi@epa.gov>

**Sent:** Tuesday, March 26, 2019 9:12 AM

**To:** Julie Swift <Julie.Swift@erg.com>; Laura VanEnwyck <Laura.VanEnwyck@erg.com>

**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <weinstock.lewis@epa.gov>; Donna Tedder <Donna.Tedder@erg.com>; Jennifer Nash <Jennifer.Nash@erg.com>; McBrian, Jenia <McBrian.Jenia@epa.gov>

**Subject:** RE: EtO data results for March 2\_5

Hi Julie and Laura,

I am just following up to see where we are with the new Willowbrook dataset as well as updated data packages for NATTS? I know Julie is out of the office until tomorrow, things might be running slow there, but we would really appreciate an update of status.

Thanks,

Doris

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**From:** Julie Swift <Julie.Swift@erg.com>

**Sent:** Friday, March 22, 2019 10:49 AM

**To:** Chen, Xi <Chen.Xi@epa.gov>; Laura Van Enwyck <laura.vanenwyck@erg.com>

**Cc:** Noah, Greg <Noah.Greg@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Donna Tedder <donna.tedder@erg.com>; Jennifer Nash <Jennifer.Nash@erg.com>

**Subject:** RE: EtO data results for March 2\_5

Doris – I don't know if this is the case, but if the concentration of the sample is <the MDL, our LIMS system will convert it to ND. We will investigate and get back with you soon. Julie

Julie L. Swift

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**From:** Chen, Xi <[Chen.Xi@epa.gov](mailto:Chen.Xi@epa.gov)>  
**Sent:** Friday, March 22, 2019 10:46 AM  
**To:** Laura VanEnwyck <[Laura.VanEnwyck@erg.com](mailto:Laura.VanEnwyck@erg.com)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[weinstock.lewis@epa.gov](mailto:weinstock.lewis@epa.gov)>; Julie Swift <[Julie.Swift@erg.com](mailto:Julie.Swift@erg.com)>; Donna Tedder <[Donna.Tedder@erg.com](mailto:Donna.Tedder@erg.com)>; Jennifer Nash <[Jennifer.Nash@erg.com](mailto:Jennifer.Nash@erg.com)>  
**Subject:** RE: EtO data results for March 2\_5

Hi Laura and Julie,

I have reviewed the data sent for March 2-5, it seems there are some discrepancy in the summary spreadsheet. In the tab "QC DATA", see the highlighted cells below, those samples have non-ND values in the data files as well as other tabs, but in the "QC DATA" tab, those two samples have "ND" as concentrations. Please double check and modify as necessary.

Thanks,  
Doris

SOURCEID	QCTYPE	PREPDATE	ANADATE	ANALYTE	RESULT	ANOTE	SOURCERES	SPIKELEVEL	RECOVERY	RPD
	Blank	2/21/2019	2/25/2019	Ethylene oxide	ND	U				
	Blank	2/25/2019	2/27/2019	Ethylene oxide	ND	U				
	Blank	2/25/2019	2/25/2019	Ethylene oxide	ND	U				
	Blank	2/25/2019	3/1/2019	Ethylene oxide	ND	U				
	Calibration Check	2/22/2019	2/22/2019	Ethylene oxide	2.07			2.5	82.8	
	Calibration Check	2/25/2019	2/25/2019	Ethylene oxide	2.08			2.5	93.2	
	Calibration Check	2/27/2019	2/27/2019	Ethylene oxide	1.88			2.5	75.1	
	Calibration Check	2/29/2019	2/29/2019	Ethylene oxide	1.99			2.5	79.7	
	Calibration Check	3/1/2019	3/1/2019	Ethylene oxide	1.96			2.5	78.3	
9030524-07	Replicate	3/2/2019	3/5/2019	Ethylene oxide	0.0693					
9030524-08	Replicate	3/2/2019	3/5/2019	Ethylene oxide	0.0692		0.0798			21.7
9030618-04	Replicate	3/5/2019	3/5/2019	Ethylene oxide	0.0631		0.0892			34.3
9030618-05	Replicate	3/5/2019	3/7/2019	Ethylene oxide	0.033	U				
	Blank	3/4/2019	3/5/2019	Ethylene oxide	ND	U				
	Blank	3/4/2019	3/5/2019	Ethylene oxide	ND	U				
	Calibration Check	3/1/2019	3/1/2019	Ethylene oxide	1.96			2.5	78.3	
	Calibration Check	3/5/2019	3/5/2019	Ethylene oxide	1.79			2.5	71.7	
	Calibration Check	3/5/2019	3/5/2019	Ethylene oxide	1.85			2.5	74.1	

**From:** Laura VanEnwyck <[Laura.VanEnwyck@erg.com](mailto:Laura.VanEnwyck@erg.com)>  
**Sent:** Thursday, March 21, 2019 8:36 AM  
**To:** Chen, Xi <[Chen.Xi@epa.gov](mailto:Chen.Xi@epa.gov)>  
**Cc:** Noah, Greg <[Noah.Greg@epa.gov](mailto:Noah.Greg@epa.gov)>; Weinstock, Lewis <[Weinstock.Lewis@epa.gov](mailto:Weinstock.Lewis@epa.gov)>; Julie Swift <[julie.swift@erg.com](mailto:julie.swift@erg.com)>; Donna Tedder <[donna.tedder@erg.com](mailto:donna.tedder@erg.com)>; Jennifer Nash <[Jennifer.Nash@erg.com](mailto:Jennifer.Nash@erg.com)>  
**Subject:** EtO data results for March 2\_5

Hi Doris,

I have attached the data package for the samples collected on March 2-5, 2019. Please let me know if you have any questions.

Thank you,  
Laura

Laura VanEnwyck

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